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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Hiroshi SHINGAL et al.

Group Art Unit: 2655

Appln. No. : 10/657,232

Examiner: Angebranndt

Filed : September 9, 2003

For : OPTICAL RECORDING MEDIUM

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
U.S. Patent and Trademark Office  
Customer Service Window, Mail Stop Amendment  
Randolph Building  
401 Dulany Street  
Alexandria VA 22314

Sir:

Further to the Information Disclosure Statements filed September 15, 2003 and February 2, 2004, and in accordance with the duty of disclosure under 37 C.F.R. 1.56, 1.97, and 1.98, Applicants hereby bring the following information to the attention of the Examiner:

U.S. Patent No. 4,947,372, and family members U.S. Patent Nos. 5,058,061, 5,138,572, and 5,072,423;

U.S. Patent No. 5,418,030;

U.S. Patent No. 6,232,035;

U.S. Patent No. 6,770,346;

U.S. Patent Application Publication No. 2002/012305 A1;

U.S. Patent Application Publication No. 2003/043712 A1;

U.S. Patent Application Publication No. 2003/124458 A1;

U.S. Patent Application Publication No. 2003/180473 A1;

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U.S. Patent Application Publication No. 2003/198176 A1;

EP 0 271 630, and family member U.S. Patent No. 4,860,274;

EP 0 352 105 A2;

EP 1 132 904 A2;

EP 1 158 506 A1;

JP6-60419, accompanied by an English language abstract, and family member  
U.S. Patent No. 5,418,030;

JP 8-224961, accompanied by an English language abstract, and family member  
U.S. Patent No. 5,637,371;

JP 2001-039031 A, accompanied by an English language abstract;

JP 62-246788, accompanied by an English language abstract;

JP 64-35746, accompanied by an English language abstract;

JP 63-155439, accompanied by an English language abstract;

JP 64-86340, accompanied by an English language abstract;

JP 02-167790, accompanied by an English language abstract;

JP 63-244422, accompanied by an English language abstract;

JP 1-224940, accompanied by an English language abstract;

JP 2001-189042, accompanied by an English language abstract;

JP 2002-347341, accompanied by an English language abstract;

JP 63-167440, accompanied by an English language abstract;

JP 63-155437, accompanied by an English language abstract;

JP 60-177446, accompanied by an English language abstract;

JP 63-331063, accompanied by an English language abstract;

JP 64-25328, accompanied by an English language abstract; and

JP 64-25329, accompanied by an English language abstract.

Applicants further note that the following related copending patent applications, as cited in the Information Disclosure Statement filed December 9, 2003, have now published:

U.S. Patent Application No. 10/460,167, published as U.S. Patent Application Publication No. 2003/232278 A1; and

U.S. Patent Application No. 10/445,812, published as U.S. Patent Application Publication No. 2003/224292.

Further to the U.S. Patent and Trademark Office's decision to waive the requirement under 37 C.F.R. 1.98 (a)(2)(i), copies of the U.S. Patents are not enclosed herewith. However, if any copies are needed, the Examiner is respectfully requested to contact the undersigned.

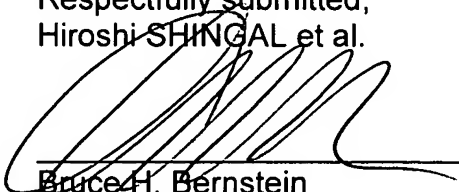
Copies of the above-noted documents, except for the U.S. Patents, are enclosed together with a duly completed Form PTO-1449. The Examiner is accordingly requested to consider each of these documents, and to make them of record in this application by initialing in the appropriate spaces on the Form-1449. Applicants respectfully request that the Examiner include a copy of the initialed Form PTO-1449 with the next communication from the U.S. Patent and Trademark Office.

Applicant notes that while this Supplemental Information Disclosure Statement is being filed more than three months from the filing date, Applicant has not received an action on the merits from the U.S. Patent and Trademark Office. Accordingly, consideration of the enclosed document is required under 37 C.F.R. 1.97(b)(3).

However, if an action on the merits has been mailed prior to the filing date of this Supplemental Information Disclosure Statement, Applicant hereby authorizes the charging of any required fees necessary for consideration of the documents cited herein to Deposit Account No. 19-0089.

Any comments or questions concerning this application can be directed to the undersigned at the telephone number given below.

Respectfully submitted,  
Hiroshi SHINGAL et al.



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Applicant  
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September 9, 2003Group  
2655

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4 9 4 7 3 7 2	08/07/90	KOSHINO et al.			
		5 0 5 8 0 6 1	10/15/91	KOSHINO et al.			
		5 1 3 8 5 7 2	08/11/92	KOSHINO et al.			
		5 4 1 8 0 3 0	05/23/95	TOMINAGA et al.			
		5 0 7 2 4 2 3	12/10/91	KOSHINO et al.			
		6 2 3 2 0 3 5	05/15/01	HIROTSUNE et al.			
		6 7 7 0 3 4 6	08/03/04	HARIGAYA et al.			
	2002	/ 0 1 2 3 0 5	01/31/02	SHINGAI et al.			
	2003	/ 0 4 3 7 1 2	03/06/03	NAKAMURA et al.			
	2003	/ 1 2 4 4 5 8	07/03/03	ICHIJI et al.			
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	2003	/ 1 9 8 1 7 6	10/23/03	NAGATA et al.			
		4 8 6 0 2 7 4	08/22/89	KOBAYASHI			
		5 4 1 8 0 3 0	05/23/95	TOMINAGA et al.			
		5 6 3 7 3 7 1	06/10/97	TOMINAGA et al.			
	2003	/ 2 3 2 2 7 8	12/18/03	SHINGAI et al.			
	2003	/ 2 2 4 2 9 2	12/04/03	SHINGAI et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
		0 2 7 1 6 3 0	06/22/88	E.P.O			
		0 3 5 2 1 0 5	01/24/90	E.P.O			
		1 1 3 2 9 0 4	09/12/01	E.P.O			
		1 1 5 8 5 0 6	11/28/01	E.P.O			
		6 - 6 0 4 1 9	03/04/94	JAPAN			
	8	- 2 2 4 9 6 1	03/09/96	JAPAN			
	2001	- 0 3 9 0 3 1	02/13/01	JAPAN			
	62	- 2 4 6 7 8 8	10/27/87	JAPAN			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	English language Abstract of JP 8-224961, Published 03/09/96.
	2	English language Abstract of JP 2001-039031, Published 02/13/01 .
	3	English language Abstract of JP 62-246788, Published 10/27/87.
	4	English language Abstract of JP 6-60419, Published 03/04/94.

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DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	64	- 0 3 5 7 4 6	02/06/89	JAPAN			
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	02	- 1 6 7 7 9 0	06/28/90	JAPAN			
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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	5	English language Abstract of JP 64-35746, Published 02/06/89.
	6	English language Abstract of JP63-155439, Published 06/28/88.
	7	English language Abstract of JP 64-86340, Published 03/31/89.
	8	English language Abstract of JP 02-167790, Published 06/28/90.
	9	English language Abstract of JP 63-244422, Published 10/11/88.
	10	English language Abstract of JP 1-224940, Published 09/07/89.
	11	English language Abstract of JP 2001-189042, Published 07/10/01.
	12	English language Abstract of JP 2002-347341, Published 12/04/02.
	13	English language Abstract of JP63-167440, Published 06/28/88.
	14	English language Abstract of JP 63-155437, Published 06/28/88.
	15	English language Abstract of JP 60-177446, Published 09/11/85
	16	English language Abstract of JP 63-331063, Published 12/29/88.

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	64	- 2 5 3 2 8	01/27/89	JAPAN				
	64	- 2 5 3 2 9	01/17/89	JAPAN				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	17	English language Abstract of JP 64-25328 , Published 01/27/89.
	18	English language Abstract of JP64-25329 , Published 01/17/89.

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